



Pyrotechnics Facility

FEATURES:

- Differential Scanning Calorimetry
- Parr Bomb Oxygen Calorimeter
- Drop Sensitivity Testers
- Friction Sensitivity Testers
- Electrostatic Sensitivity Testers
- Performance Oriented Packaging
- Burn Rate Test Chamber
- Low Ambient Pressure Test Chamber
- 1 Ton to 100 Ton Hydraulic Presses
- Hobart Blenders
- Glatt Blenders
- Specialty Molds for Loading
- Laboratory Fume Hoods
- Acoustic Octave Band Acoustic Analyzer
- Multiband Spectrophotometers

CAPABILITIES:

- Tooling Design & Fabrication
- Experimental Item Design & Fabrication
- Limited Production
- Ammunition Modification

The Pyrotechnics Facility provides research, development, and limited production services on behalf of the Edgewood Chemical Biological Center to government and select civilian organizations. The engineers, chemists, and technicians who staff the facility possess an array of expertise. Experimental item design and production, tooling design and fabrication, and modification of standard ammunition are just a few of the services performed at the Pyrotechnics Facility.



Almost any type of work related to pyrotechnics, explosives, and propellants (pep) can be executed at the Pyrotechnics Facility. The team is expert in providing design work for delay compositions, flares, smoke producing items, and the like. Many support functions are available within the Pyrotechnic Team's facility, including computer-assisted designs, technical drawings, tooling design and fabrication, and safety testing. Past successful projects in these areas include: small arms projectiles, large caliber cannon and gun projectiles, spin and fin stabilized tracers, smoke grenades and pots, hand and rifle grenades, rocket and mortar ammunition, delays and igniters, flares and decoys, and civilian fireworks.

The Pyrotechnics Facility actively supports military, law enforcement, government, and civilian professional organizations, including the National Fire Protection Agency, the Pyrotechnics Guild International, the National Defense Industrial Association, and the International Symposiums On Fireworks. The facility can be of assistance to any organization working with pyrotechnics and explosives and seeking experimental designs for items such as flares, decoys, fireworks, riot control cartridges, rockets, and smoke ammunition. The facility is instrumental in product testing and the design of environmentally safe products. High quality prototype ammunition and technical data are delivered in a timely manner, and video or live technical training is provided as needed.



For additional information on this facility, please E-mail engineering.directorate@sbccom.apgea.army.mil.

For information on Technology Transfer applications, please contact us by E-mail (technical.outreach@sbdcom.apgea.army.mil) or by fax to 410-436-6529.